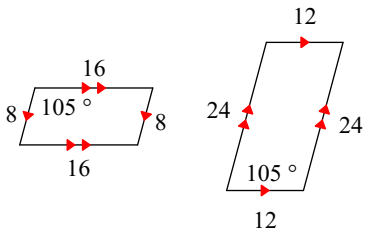
Geometry Name_____

3.1 Back of Notes

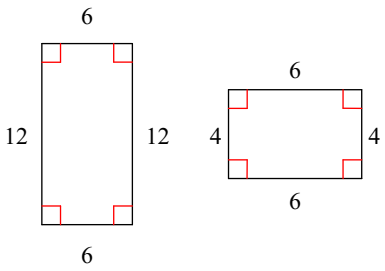
Date_____

State if the polygons are similar.

1)

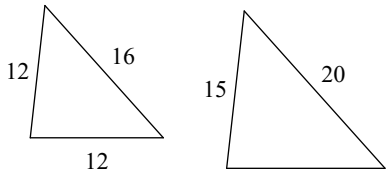


2)

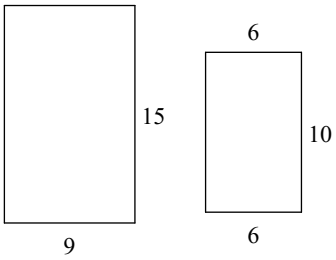


The polygons in each pair are similar. Find the scale factor of the larger to the smaller figure.

3)

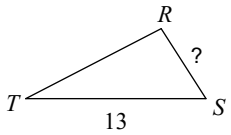


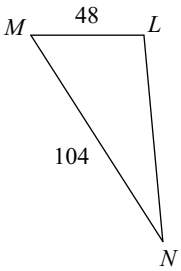
4)



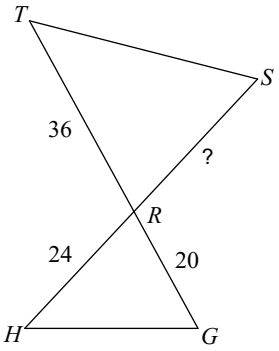
Find the missing length. The triangles in each pair are similar.

5) $\triangle LMN \sim \triangle RST$



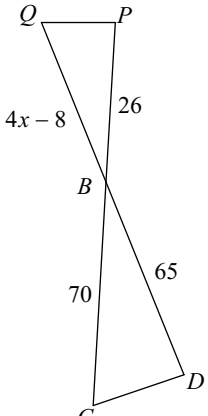


6) $\triangle RST \sim \triangle RGH$

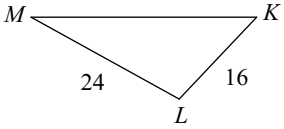


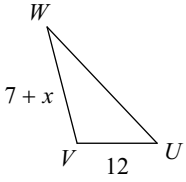
Solve for *x*. The triangles in each pair are similar.

7) $\triangle BCD \sim \triangle BQP$



8) $\triangle KLM \sim \triangle UVW$





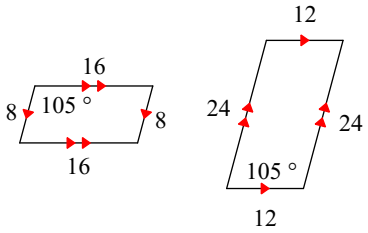
Geometry Name_____

3.1 Back of Notes

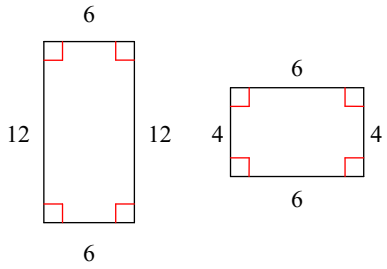
Date_____

State if the polygons are similar.

1) similar

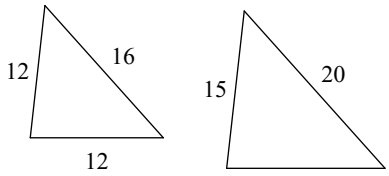


2) not similar

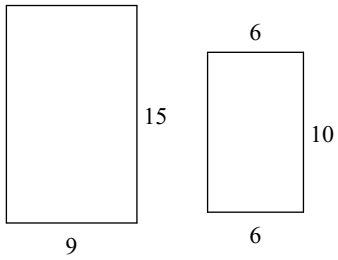


The polygons in each pair are similar. Find the scale factor of the larger to the smaller figure.

3) 4 : 5

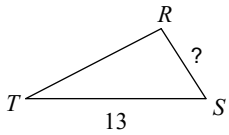


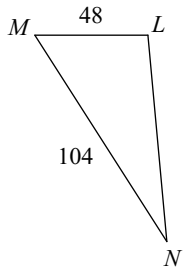
4) 2 : 3



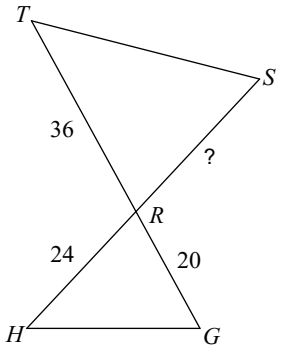
Find the missing length. The triangles in each pair are similar.

5) $\triangle LMN \sim \triangle RST$ 6



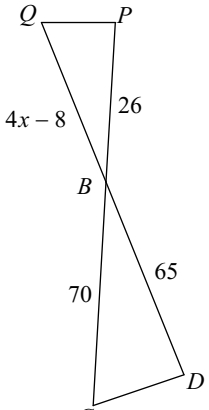


6) $\triangle RST \sim \triangle RGH$ 30



Solve for *x*. The triangles in each pair are similar.

7) $\triangle BCD \sim \triangle BQP$ 9



8) $\triangle KLM \sim \triangle UVW$ 11